

10/537, 558

**EAST Search History**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	2	(beer same grist same mash) and "jet-cooking" and saccharif\$4 and ferment\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/05/11 18:06
S2	2	(beer same grist) and mash and "jet-cooking" and saccharif\$4 and ferment\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/05/08 11:28
S3	2	beer and grist and mash and "jet-cooking" and saccharif\$4 and ferment\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/05/08 11:28
S4	2	beer and grist and mash and "jet-cooking" and saccharif\$4 and ferment\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/08 11:28
S5	12	beer and grist and mash and saccharif\$4 and ferment\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/08 11:28
S6	133	"jet-cooking"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/05/09 16:10
S7	8	"jet-cooking" and beer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/05/09 16:14
S8	123	(beer or wine or beverage or drink or lager or ale) and grist	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/09 18:13
S9	72	S8 and mash\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/09 16:15

## EAST Search History

S10	5	S9 and liquif\$8	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/09 16:45
S11	9	S8 and glucoamylase	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/09 16:45
S12	81	("0897854"   "0976332"   "1108555"   "1172270"   "1178039"   "1541263"   "1543458"   "1564181"   "1568162"   "2040943"   "2174982"   "2206619"   "2289416"   "2310028"   "2555235"   "2627464"   "2853388"   "3157513"   "3243301"   "3255015"   "3262783"   "3395019"   "3664848"   "3922201"   "3930027"   "3950543"   "3956506"   "3958015"   "3972775"   "3998978"   "4056637"   "4069103"   "4089745"   "4247636"   "4254150"   "4282319"   "4286058"   "4292331"   "4299847"   "4311714"   "4371551"   "4374860"   "4377602"   "4378432"   "4379171"   "4431674"   "4435430"   "4438150"   "4451567"   "4458017"   "4500558"   "4501814"   "4540585"   "4596776"   "4613507"   "4656040"   "4663168"   "4710386").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/09 17:35
S13	130	(beer or wine or beverage or drink or lager or ale) and "trichoderma harzianum"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/09 18:13
S14	105	(beer or wine or beverage or drink or lager or ale) and "trichoderma harzianum" and (glucanase or laminarinase or chitinase or protease or mannanases)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/09 17:38
S15	5	(beer or wine or beverage or drink or lager or ale) and "trichoderma harzianum" and (glucanase or laminarinase or chitinase or protease or mannanases) and "acetolactate decarboxylase"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/09 17:42

## EAST Search History

S16	105	(beer or wine or beverage or drink or lager or ale) and "trichoderma harzianum" and (glucanase or laminarinase or chitinase or protease or mannanases)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/09 18:02
S17	0	(beer or wine or beverage or drink or lager or ale) and "6087149"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/09 18:02
S18	3	"6087149"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/09 18:04
S19	0	"6087149" and (beer or wine or beverage or drink or lager or ale) and glucanase	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/09 18:03
S20	0	"6087149" and (beer or wine or beverage or drink or lager or ale)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/09 18:03
S21	2	S18 and Trichoderma	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/09 18:09
S22	143	acetolactate near decarboxylase	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/09 18:10
S23	119	S22 and (beverage or drink or beer or ale or lager or water)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/09 18:11
S24	39	S22 and (beverage or drink or beer)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/09 18:11
S25	34	S22 and (beer)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/09 18:11

## EAST Search History

S26	8	S13 and hops	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/09 18:13
S27	39	S8 and hops	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/09 18:14
S28	24	S8 and hops and mill\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/09 18:24
S29	9	S8 and hops and milled	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/09 18:36
S30	0	S8 and dry near milled near barley	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/09 18:36
S31	0	S8 and (dry near milled near barley)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/09 18:36
S32	3	S8 and (dry near milled)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/09 18:36
S33	3	S8 and (dry adj milled)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/09 18:37
S34	3	(dry near milled near barley)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/09 18:38
S35	1	(dry-milled near barley)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/09 18:38

## EAST Search History

S36	45	(dry near milled) same barley	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/09 18:39
S37	3	(dry near milled) near barley	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/09 18:39
S38	45	(dry near milled) same barley	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/09 18:41
S39	222	(dry near milled) same grain	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/09 18:41
S40	23	(dry near milled) near grain	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/09 18:42
S41	2	"seaweed sake"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/05/10 09:46
S42	28	"4092434"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/05/10 14:19
S43	583182	purified glucose	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/05/10 10:26
S44	130	purified glucose	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	OFF	2006/05/10 10:38
S45	2	S44 and beer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	OFF	2006/05/10 10:26

## EAST Search History

S46	1038	glucose same beer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	OFF	2006/05/10 10:38
S47	11	glucose near beer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	OFF	2006/05/10 10:58
S48	11	glucose near beer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2006/05/10 10:59
S49	67	Rhodopseudomonas capsulata	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	OFF	2006/05/10 11:49
S50	48	S49 and (beverage or drink or tonic or water)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2006/05/10 11:49
S51	68	Rhodopseudomonas near capsulata	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	OFF	2006/05/10 11:49
S52	49	S51 and (beverage or drink or tonic or water)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2006/05/10 11:49
S53	27	S42 and ferment\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/05/10 14:19
S54	4	S53 and "room temperature"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/10 14:20
S55	171	ferment\$5 near "room temperature"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/10 14:24

## EAST Search History

S56	25	S55 and beer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/10 14:21
S57	64	ferment\$5 near "cold"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/10 14:31
S58	13	S57 and beer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/10 14:24
S59	0	digest\$4 near (grain or malt or cereal) near ("cold" or "room temperature")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/10 14:33
S60	0	digest\$4 near (grain or malt or cereal or mash) near ("cold" or "room temperature")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/10 14:34
S61	11	digest\$4 near (grain or malt or cereal or mash) same ("cold" or "room temperature")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/10 14:34
S62	5	"5273762"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/05/12 09:35
S63	4	"3795745"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/05/12 08:13
S64	3	(saccharif\$7 near "beta-glucanase") or (ferment\$5 near "beta-glucanase")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/11 20:09
S65	803	trichoderma adj harzianum	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/11 20:24

## EAST Search History

S66	93	S65 and "cell wall degrading enzyme"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/11 20:05
S67	3	S65 and "yeast cell wall degrading enzyme"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/11 20:06
S68	446	S65 and ("beta-1,3-glucanase" or "1,6-beta-glucanase" or "laminarinase" or "chitinase" or "mannanases" or "protease" or "alpha-1,3-glucanase")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/11 20:10
S69	352	S68 and (saccharif\$7 or ferment\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/11 20:09
S70	2998	S65 and (saccharif\$7 same ("beta-1,3-glucanase" or "1,6-beta-glucanase" or "laminarinase" or "chitinase" or "mannanases" or "protease" or "alpha-1,3-glucanase")) or (ferment\$5 same ("beta-1,3-glucanase" or "1,6-beta-glucanase" or "laminarinase" or "chitinase" or "mannanases" or "protease" or "alpha-1,3-glucanase"))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/11 20:12
S71	68	S65 and ((saccharif\$7 same ("beta-1,3-glucanase" or "1,6-beta-glucanase" or "laminarinase" or "chitinase" or "mannanases" or "protease" or "alpha-1,3-glucanase")) or (ferment\$5 same ("beta-1,3-glucanase" or "1,6-beta-glucanase" or "laminarinase" or "chitinase" or "mannanases" or "protease" or "alpha-1,3-glucanase"))))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/11 20:14
S72	4	S65 and (saccharif\$7 same ("beta-1,3-glucanase" or "1,6-beta-glucanase" or "laminarinase" or "chitinase" or "mannanases" or "protease" or "alpha-1,3-glucanase"))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/11 20:14



## EAST Search History

S73	68	S65 and (ferment\$5 same ("beta-1, 3-glucanase" or "1, 6-beta-glucanase" or "laminarinase" or "chitinase" or "mannanases" or "protease" or "alpha-1, 3-glucanase"))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/11 20:14
S74	8	S73 and beer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/11 20:15
S75	1	S73 and ale	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/11 20:15
S76	5	S73 and (ale or "strong ale" or "bitter" or "stout" "porter" or "lager" or "export beer" or "malt liquor" or "barley wine" or "happoushu" "high-alcohol beer" "low-alcohol beer" or "low-calorie beer" or "light beer" or beerage or drink)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/11 20:21
S77	234	S65 and (beer or wine or liquor or beverage or drink or tonic)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/11 21:11
S78	165	S77 and (glucanase or laminarinase or chitinase or protease or mananase)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/11 20:34
S79	5	"6444448"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/11 20:27
S80	9	"4708875"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/11 20:36
S81	9	"4708875"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/11 20:36

## EAST Search History

S82	8	"4439455"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/05/12 08:14
S83	1	1990-147698.NRAN.	DERWENT	OR	OFF	2006/05/12 08:35
S84	1118	hops and beer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/05/12 10:00
S85	632	hops same ferment\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/05/12 09:44
S86	99	hops same (after adj ferment\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/05/12 09:58
S87	86	hop same (after adj ferment\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/05/12 09:58
S88	12	S84 and (late near hop\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/05/12 10:02